

**REMARKS**

This amendment is in response to the Office Action dated April 2, 2008. Claims 1-20 are pending. Claims 1, 3, 8, 12, 14, and 17 have been amended to further define the invention. Applicants respectfully request reconsideration of the application in view of the following remarks submitted in support thereof.

**Rejections under 35 U.S.C. § 102 and 103:**


Claims 1, 8, and 14 were rejected under 102(e) as being anticipated by U.S. Patent No. 7,130,312 to Amagai et al. This rejection is respectfully traversed.

As invited by the Examiner in the last action, the Applicants have clearly claimed that the pipelined processor architecture is performed by a plurality of separate processors in claims 1, 8, and 14. Support for this amendment may be found in Figures 3 and 4, and in the specification on pages 8-12. Accordingly, Applicants respectfully request that the Examiner elaborate as to how a timing sequence discloses a pipeline of separate processors if this rejection is maintained. As stated in the previous response, Amagai is for a single processor, whereas the present claims are directed to a plurality of separate processors that are pipelined. In light of the amendments, Applicants respectfully request that this rejection be removed unless the Examiner provides some articulated reasoning as to how a timing diagram for a single CPU discloses an architecture for a pipelined processors.

Claims 3, 12, and 17 were rejected under 35 USC 102 as being anticipated by Amagai. The Examiner has referred to Figure 6 as disclosing three buffers. Figure 6 refers to a shared memory and a packet memory, in which the two memory spaces are correlated (see column 8, line 60 through column 9, line 14. Applicants respectfully request that the Examiner explain as how the two correlated memory spaces of disclose each feature of amended claims 3, 12, and 17 if this rejection is maintained.

A Notice of Allowance is respectfully requested. If the Examiner has any questions concerning the present Amendment, the Examiner is kindly requested to contact the undersigned at (408) 774-6921. If any other fees are due in connection with filing this Amendment, the Commissioner is also authorized to charge Deposit Account No. 50-0805 (Order No. ADAPP236). A duplicate copy of the transmittal is enclosed for this purpose.

Respectfully submitted,  
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